

Instructions: Bold fields must be completed.

**Station Summary**

<b>Waterbody Name</b> UNNAMED	<b>Waterbody ID Code</b> 790800	<b>Sample ID (YYYYMMDD-CY-FD)</b> 20171030-54-02
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<b>Sampling Location</b>	<b>Database Key</b> 150685714
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<b>SWIMS Station ID</b> 10010923	<b>SWIMS Station Name</b> UNNAMED CREEK AT CTY J
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<b>Latitude</b> 42.5769	<b>Longitude</b> -88.92317	<b>Lat/Long Determination Method (circle)</b> SWIMS SWDV GPS	<b>Datum Used if using GPS</b> WGS84 or NAD83
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<b>Basin (WMU)</b> LOWER ROCK	<b>Watershed Name</b> TURTLE CREEK	<b>County</b> ROCK
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**Sample and Site Descriptors**

<b>Sample Collector (Last Name, First)</b> RACHEL SABRE	<b>Project Name</b> TURTLE CREEK TWA 2017
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**Sampling Device**

D-Frame Kick Net     
  Surber Sampler     
  Eckman  
 Ponar     
  Artificial Substrate     
  Hess Sampler     
  Other: \_\_\_\_\_

**Habitat Sampled**

Riffle     
  Run     
  Pool  
 Other     
  Shoreline Composite     
  Proportionally-Sampled Habitat  
 Littoral Zone     
  Profundal Zone     
  Wetland

<b>Total Sampling Time (min)</b> 1 min	<b>Estimated Area Sampled (m<sup>2</sup>)</b> 1 m <sup>2</sup>	<b>Number of Samples in Composite</b> 1	<b>Replicate No.</b> 1 <b>of</b> 1
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**Reason For Sampling**

Least Impacted Reference     
  Baseline     
  Impact / Treatment Site  
 Control Site     
  Trend     
 Other: \_\_\_\_\_

<b>Water Temp. (C)</b> 8.03	<b>D.O. (mg/l)</b> 10.07	<b>D.O. (% sat.)</b> 94.0	<b>pH (su)</b> 8.84	<b>Conductivity (umhos/cm)</b> 829.6	<b>Transparency (cm)</b> 120
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<b>Water Color</b> <input checked="" type="checkbox"/> Clear <input type="checkbox"/> Turbid <input type="checkbox"/> Stained	<b>Estimated Stream Velocity (m/s)</b> <input checked="" type="checkbox"/> Slow (< 0.15 m/s) <input type="checkbox"/> Moderate (0.15 m/s - 0.5 m/s) <input type="checkbox"/> Fast (> 0.5 m/s)
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<b>Measured Velocity</b> —	<b>Average Stream Depth of reach (m)</b> 0.2 m	<b>Average Stream Width of reach (m)</b> 3.95
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**Composition of Substrate Sampled (Percent):**

Bedrock: \_\_\_\_\_ Boulders (basketball or larger): \_\_\_\_\_ Rubble (tennisball to basketball): \_\_\_\_\_ Gravel (ladybug to tennisball): 40  
 Sand: 20 Clay: \_\_\_\_\_ Silt/Muck: 10 Overhanging Vegetation: 20  
 Aquatic Macrophytes: \_\_\_\_\_ Leaf Snags: 10 Coarse Woody Debris: \_\_\_\_\_ Other ( \_\_\_\_\_ ): \_\_\_\_\_

**Embeddedness of Substrate at Sample Site (%)** 20%   
**Canopy Cover at Sample Site (%)** 20%

Unnamed Creek & CTh J  
 Sample # 20171030-54-02  
 Station # 10010923  
 Rachel Sabre  
 1 of 1

**Stream and Watershed Descriptors**

N = Not a problem  
 U = Uncertain  
 PL = Present, Low Impact  
 PH = Present, High Impact

Factors that may be influencing Water Resource Integrity		Local	Watershed	Factors that may be influencing Water Resource Integrity		Local	Watershed
<b>Biological</b>			<b>Chemical</b>				
Algae: - Diatoms / Periphyton				Chlorine			
- Filamentous Algae				Dissolved Oxygen			
- Planktonic Algae				Nutrients (P, N...)			
Iron Bacteria				Toxics: - Inorganic (Metals)			
Macrophytes				- Organic (PCBs, pesticides...)			
Slimes				Other - Specify:			
Other - Specify:				<b>Sources of Stream Impacts</b>			
				Bank Erosion			
				Point Source - Specify:			
				Pasturing of Livestock			
<b>Physical</b>				Runoff: - Barnyard			
Bank Erosion				- Construction			
Channelization: - Upstream				- Cropland			
- Downstream				- Urban			
Hydraulic Scour / Channel Incision				Septic Systems			
Impoundment: - Upstream				Tile Drainage - Organic Soils			
- Downstream				- Mineral Soils			
Low Flow				Springs			
Sedimentation				Tributary(s)			
Sludge				Wetland			
Thermal				Other - Specify:			
Turbidity							
Other - Specify:							

Comments

Special Instructions for Laboratory

For Lab Use Only		
Sample Sorter Cadie Olson	Taxonomist Dinick, Jeffrey	Estimated Percent of Sample Sorted 13%
Date Processed 4/30/16	Specimens Saved Subsample archived in ASL until Jul 2021	

E2: 87  
 B1: 112

=199

Taxa	Life Stage	Bench Tally	Count	Taxonomic Reference	Condition	Unique Taxon
Baetis	L		2	Kluehertanz 2016	imm	N
B. brunneicolar	L		2	"		
Stenacron	L	-	6	"	imm	N
S. interpunctatum	L		4	"		
Calopteryx maculata	L		1	Weed et al 2002		
Cheumatopsyche	L		4	Hilsenhoff 1985		
Optioserius	L		4	Hils. Schm. 1992	imm	N
O. fastidius	L		3	"		
Stenelmis	L		2	"		
Neoplasta	L		2	Cont. Mers. 2008		
Simulium vittatum species complex 08110217	L		1	Acler et al 2004		
S. fibroflatum	L		1	"		
S. jenningsi species group	L		3	"	imm	N
Antocha	L		1	Hilsenhoff 1985		
Dicranota	L		4	"		
Bammarus pseudolimnaeus	A	x-	16	Holsinger 1972		
Hydrobates	A		1	Pluchino 1984		
Lebertia	A		1	"		
Enchytraeidae	A		1	Birn, Gerd. 1991		
Lumbriculus	A		1	Birn, Gerd 1966		
fishicoid Naididae w/o hairs	A	x-	15	Klemm 1985		
Physa	A	-	7	Brown 1991		
Pisidium	A		1	Burch 1972		
<del>split A3 Chironomidae</del>	L					
Tanyptera 08270000	L		1	Cranston 2013	dam	Y
Conchapelopia	L	-	9	Cran, Epler 2013		
Metopelopia	L	-	5	"		
Thienemannimyia group	L		1	"	mt indet	N
Orthocladiinae 08500000	L		2	Cranston 2013	imm	N
Brillia	L		2	Ander+3 2013	imm	
Corynoneura	L		1	"		
Diplocladius	L		4	"		
Parametriocnemus	L		24	"		
Thienemannella	L		1	"	imm	
Orthocladius	L		1	"	imm	N
O-(Orthocladius)	L		1	"		

23 taxa, TWALE 2.0

